

# PATENT ABSTRACTS OF JAPAN

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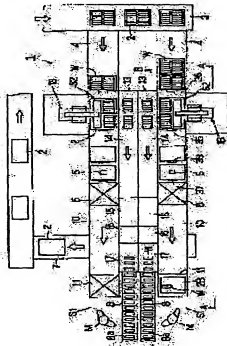
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## (54) AGRICULTURAL PRODUCE FEEDER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To uniformize the feed quantity of agricultural produce to a treating device and to heighten the filling rate of the agricultural produce into the treating device to improve treating efficiency.

**SOLUTION:** This agricultural produce feeder is provided with: a vessel conveying means 3 for conveying a lot of vessels 2 containing agricultural produce; a take-up means provided in mid-way of conveyance of the vessel conveying means and for taking up the agricultural produce in vessels to feed it to a treating device; a detection means for detecting the presence or absence of the agricultural produce present in the vessels in which take-out work of the agricultural produce is performed by the prescribed take-out work of the take-out means; a sorting means for sorting empty vessels and vessels in which agricultural produce remains based on the detection result of the detection means, and a means 10 for conveying the vessels in which agricultural produce remains for conveying the vessels in which agricultural produce remains sorted by the sorting means to, for example, vicinities of a posture correction work position or the like for arranging the posture of the agricultural produce by manual work disposed at the starting end side of the treating device.



## LEGAL STATUS

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**Agricultural product supply system in sorting place, separates empty and filled containers based on output of sensor detecting existence of products in container and conveys filled container to processing unit**

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**Novelty:** The products are removed from containers (2) conveyed by the conveyor (3), midway through conveying process. Empty container (2A) and filled containers (2B) are separated by separator based on output of sensor which detects existence of products in containers. The filled container is conveyed by conveyor (10), to manual work position of processing unit.

**Use:** In sorting place.

**Advantage:** The filling process of products to processing unit becomes efficient, since only filled containers are conveyed to manual work position of process unit. The operator's burden is reduced, since empty containers are ejected out smoothly.

**Description of Drawing(s):** The figure shows the top view of agricultural products supply system.

Container 2

Empty container 2A

Filled container 2B

Conveyors 3,10

(12pp Dwg.No.1/7)

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